Applicant: Michael Wessner Attorney's Docket No.: 15540-023001 / 26 082,

Trumpf: 18.00278; DS08120

Serial No.: 10/800,007 Filed: March 15, 2004

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Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently amended) A nozzle of a laser processing head for laser cutting and laser welding, the nozzle comprising:

a laser beam outlet for directing a laser beam towards a processing location of a workpiece to be processed;

a first gas supply channel for supplying a cutting gas towards the processing location of a workpiece to be processed when the laser processing head is used for laser cutting; and

a second gas supply channel for supplying a welding gas towards the processing location of a workpiece to be processed when the laser processing head is used for laser welding;

an inner sleeve through which the laser beam passes; and

an outer sleeve surrounding the inner sleeve;

wherein a first annular cavity is defined between the inner sleeve and the outer sleeve and wherein the outer sleeve defines a second annular cavity arranged essentially concentrically with the first cavity.

2. (Currently amended) The nozzle of claim 1, further comprising: an inner sleeve though which the laser beam passes; and

an outer sleeve surrounding the inner sleeve, wherein a the first cavity is formed between the inner sleeve and the outer sleeve fluidly coupled to the first gas supply channel, and wherein the outer sleeve includes a second cavity arranged concentrically with the first cavity is fluidly coupled to the second gas supply channel.

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3. (Currently amended) The nozzle of claim [[2]] 1, wherein the first cavity is formed by a first annular gap between the inner sleeve and the outer sleeve and wherein the second cavity is formed by a second annular gap formed in the outer sleeve.

- 4. (Currently amended) The nozzle of claim [[2]] 1, wherein the first cavity is formed by an annular channel from which a bore extends to a side of the nozzle.
- 5. (Currently amended) The nozzle of claim [[2]] 1, wherein the second cavity is formed by an annular channel from which a bore extends to a side of the nozzle.
- 6. (Original) The nozzle of claim 3, wherein the first annular gap merges into the first gas supply channel and the second annular gap merges into the second gas supply channel.
- 7. (Original) The nozzle of claim 1, further comprising a channel for supplying a stream of pressurized gas into the laser processing head in a direction perpendicular to a direction of the laser beam.
- 8. (Original) The nozzle of claim 1, further comprising a mirror for reflecting the laser beam towards the processing location of a workpiece to be processed.
 - 9. (Original) The nozzle of claim 8, wherein the mirror is a parabolic focusing mirror.
 - 10. (Original) The nozzle of claim 1, further comprising:
- a mirror for reflecting the laser beam towards the processing location of a workpiece to be processed; and
- a channel for supplying a stream of pressurized gas into the laser processing head in a direction perpendicular to a direction of the laser beam, wherein the stream of pressurized gas is supplied into the processing head between the mirror and the laser beam outlet.

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11. (Currently amended) A method for laser processing of a workpiece, the method comprising:

directing a laser beam through [[a]] an inner sleeve of a processing nozzle of a laser processing head to a processing location of a workpiece;

supplying a cutting gas towards the processing location through a first gas supply channel of the nozzle and through a first annular cavity defined between the inner sleeve and an outer sleeve that surrounds the inner sleeve when the laser processing head is used for laser cutting; and

supplying a welding gas towards the processing location through a second gas supply channel of the nozzle and through a second annular cavity defined within the outer sleeve and being essentially concentric with the first cavity when the laser processing head is used for laser cutting; and

supplying a stream of pressurized gas in a direction substantially perpendicular to the direction of the laser beam.

- 12. (Original) The method of claim 11, wherein the cutting gas and the welding gas are supplied concentrically around the laser beam.
 - 13. (Original) The method of claim 11, wherein the laser beam is a CO₂ laser beam.
- 14. (New) The nozzle of claim 1, wherein the inner sleeve defines a beam guiding chamber that opens into an outlet, and the first cavity is fluidly coupled to the outlet.
- 15. (New) The nozzle of claim 1, wherein the second annular cavity is defined within the outer sleeve.

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16. (New) The method of claim 11, further comprising supplying a stream of pressurized gas in a direction substantially perpendicular to the direction of the laser beam.